

NIST Technicalendar

UNITED STATES DEPARTMENT OF COMMERCE

Technology Administration
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-0001

The *NIST Technicalendar*, issued each Friday, covers scheduled events which are of interest primarily to the NIST staff. All boxed items/notices for inclusion should be in WordPerfect 5.1, 6.1, or ASCII format and MUST be received by 12:00 NOON each Wednesday unless otherwise stated in the *NIST Technicalendar*. Items for inclusion and requests for copies of this calendar should be sent to Ms. Sharon Mingo, Editor, Building 820, Room 125, National Institute of Standards and Technology, Gaithersburg, MD 20899-0001, (Telephone: 301/975-3570; FAX: 301/926-4431; or E-mail: mingo@micf.nist.gov).

All lectures and meetings are open unless otherwise stated.

NIST Weekly Calendars and Bulletins Online

The address for online weekly editions (most recent three months) of the *NIST Technicalendar* and *NIST Administrative Calendar* is

<http://ts.nist.gov/nvl/htdocs/calendars/calendars.html>

Calendar files are in pdf format. If you don't already have the free Adobe Acrobat Reader, first download it from

<http://www.adobe.com/Acrobat/readstep.html>

The *Boulder Laboratories Weekly Bulletin* (current and previous week), in html format, is available online at

<http://www.boulder.nist.gov:1580/bulletin/>

MAY 27 TO MAY 31, 1996 MEETINGS AT NIST

5/28—TUESDAY 10:30 a.m. APPLIED AND COMPUTATIONAL MATHEMATICS DIVISION
COLLOQUIUM: A Diffuse-Interface Description of Fluid Systems, D. Anderson, Applied and Computational Mathematics Division, NIST, Gaithersburg, MD. Rm. 365, Bldg. 820 (NIST North). (NIST contact: B. Mitchell, 975-3808.)

5/28—TUESDAY 1:30 p.m. CENTER FOR THEORETICAL AND COMPUTATIONAL MATERIALS
SCIENCE SEMINAR: Self-Organized Criticality A. Vespignani, Dipartimento di Fisica, Universita di Roma "La Sapienza," Rome, Italy. Rm. A366, Materials Bldg. (NIST contact: S.C. Glotzer, 975-5729.)

5/28—TUESDAY 1:30 p.m. PROCESS MEASUREMENTS DIVISION SEMINAR: How Practical Is 193-nm Lithography? Calorimetric Measurements of Optical Materials for 193-nm Lithography M. Rothschild and A. Grenville, Massachusetts Institute of Technology, Lexington, MA. Rm. B165, Physics Bldg. (NIST contact: J. Whetstone, 975-2738.)

5/29—WEDNESDAY 10:00 a.m. ATOMIC PHYSICS DIVISION SEMINAR: Collective Atomic Recoil Laser: Propagation Effects With and Without a Cavity, R. Bonifacio, Univ. of Milan, Italy. Rm. 165, Physics Bldg. (NIST contact: J. Lawall, 975-3226.)

5/29—WEDNESDAY 1:30 p.m. PHYSICAL AND CHEMICAL PROPERTIES DIVISION SEMINAR: The Autoxidation of Organic Molecules: From Cognac Maturation to the Degradation of Jet Fuels B. Beaver, Dept. of Chemistry, Duquesne Univ., Pittsburgh, PA. Rm. B165, Physics Bldg. (NIST contact: P. Neta, 975-5635.)

5/30—THURSDAY 10:30 a.m. ELECTRON PHYSICS GROUP SEMINAR: Magic Size Effects for Heteroepitaxial Island Diffusion, J. Hamilton, Sandia National Labs., Livermore, CA. Rm. B365, Metrology Bldg. (NIST contact: R. Celotta, 975-3707.)

5/30—THURSDAY 11:30 a.m. IONIZING RADIATION DIVISION SEMINAR: Technical Validation of Image Plate Scanner: Homogeneity, Linearity, Resolution and Standardization, H. Kolbe, Germany. Rm. C301, Radiation Physics Bldg. (NIST contact: R. Hutchinson, 975-5543.)

- The Office of Information Services (OIS) announces the availability of MathSciNet on the NIST Virtual Library (NVL): <http://ts.nist.gov/nvl>. MathSciNet is based on the data in Mathematical Reviews and Current Mathematical Publications, leading publications that catalog and review research literature in mathematics, all produced by the American Mathematical Society. From the NVL home page, click on "Databases" to access this useful online resource for NIST staff. No passwords or site IDs are required.
- OIS announces the availability of 22 Institute of Physics Journals online for NIST users on the NIST Virtual Library (NVL) at <http://ts.nist.gov/nvl>. From the NVL home page, click on "Electronic Journals" for information.
- OIS announces the availability of STAT-USA on the NIST Virtual Library (NVL) at <http://ts.nist.gov/nvl>. STAT-USA is the Department of Commerce source for Daily Economic News, frequently requested statistical releases, information by subject, STAT-USA Databases and selected publications of interest. From the NVL home page, click on "Databases" to link to the instructions for accessing this resource for NIST users.
- OIS announces that the "Engineering Village" is now available on the NIST Virtual Library (NVL) at <http://ts.nist.gov/nvl> for NIST staff and researchers. The Ei Village is a service for the student, professional engineer, or technology manager. Ei Village collects, evaluates, describes, and organizes relevant sites and provides a forum for discussions of professional interest. To access and log on to the service, from the NVL home page click on "Databases" and follow the instructions for id and password.

Advance Notice
Chemical Science and Technology Laboratory Colloquium

SCIENCE AND COMMON NONSENSE

Robert L. Park
Department of Physics, University of Maryland

10:30 AM, Thursday, June 6, 1996
Lecture Room A, Administration Building,, (Note room change!)

The public is dangerously alienated from the scientific revolution—but then, so are a lot of scientists. Even as exaggerated or irrational fears of technological hazards are impeding progress, there are “futurists” happily concocting techno-utopian fantasies. There is an alarming resurgence of ancient beliefs in magic, astrology, angels and faith healers, while new-age superstitions, ranging from alien abductions to psychokineses, pop up all over the landscape. And no claim is so preposterous that a PhD physicist or chemist cannot be found with an explanation in terms of quantum mechanics, relativity or chaos. How are we to account for such widespread nuttiness? The possibility that it's due to a "belief gene" will be discussed.

Professor Park is also the Washington-scene observer for the American Physical Society, as reported in the weekly "What's New" e-mail column which he always concludes with the warning/advice: "Opinions are the author's and are not necessarily shared by the APS, but they should be."

For further information contact B. Gadzuk , 975-2548 or B. MacCrehan, 975-3122.

PLEASE NOTE: SCHEDULE CHANGE

Advance Notice
Computing and Applied Mathematics Laboratory
Statistical Engineering Division
CASE STUDIES IN UNCERTAINTY ANALYSIS
Keith Eberhardt

This two-day course, the fourth in a unified program of short courses in applied statistics primarily for the NIST community, will consist of detailed discussions of several example uncertainty analyses. The course will be held on Mondays, June 10 and June 17, 9 a.m. - 12 noon (room to be announced). For more information on this course contact K. Eberhardt, 975-2853, keith.eberhardt@nist.gov. For information on later courses in this series, contact M. Vangel, 975-3208, mark.vangel@nist.gov, or see the event calendar under the Statistical Engineering Division home page, URL <http://www.cam.nist.gov/caml/sed/>. Registration is \$50, and Form DN-11 should be submitted to P. O'Connor, Training Office, Admin. A123, by COB June 5.

Advance Notice
NIST 95-96 Colloquium Series
(Co-sponsored by the NIST Committee for Women)

SEA CHANGE: EXPLORING TROUBLED WATERS

Sylvia A. Earle, President, Deep Ocean Research and Exploration, Inc
Chief Scientist, NOAA, 1990-1992

FRIDAY, June 14, 1996, 10:30 a.m. - 11:30 a.m., Green Auditorium,
Administration Building

Dr. Earle, a marine biologist, oceanographer, botanist, and deep-sea diver, is one of the most accomplished women scientist-explorers in America. She will take us on a wide-ranging journey, from the massive oil spills in Prince William Sound and the Persian Gulf, to whaling stations and toxic waste sites, to the Tokyo Fish Market, where thousands of tons of fish are sold daily. She will describe changes caused by what people are putting into the sea and by what is being taken out, with a blueprint for action and examples drawn from 30 years of underwater observations.

A "Meet the Author" reception will be held in the NIST library, Admin Building, from 9 a.m. to 10 a.m. Copies of the book, **Sea Change: A Message of the Oceans**, will be available for review.



Anyone requiring special assistance should contact Lillian Ware on 975-4203. Colloquia are videotaped and available in the Research Information Center.

MEETINGS ELSEWHERE

Twentieth Annual Nist Sigma Xi Banquet

Thursday, May 30, 1996

The Willow Tree Inn at The Montgomery Village Golf Club, 19550
Montgomery Village Avenue, Gaithersburg, MD

**DO WEAK ELECTROMAGNETIC FIELDS CAUSE BIO-EFFECTS?
WHY IS THERE SUCH SKEPTICISM AND CONTROVERSY? WHAT ARE
THE ANSWERS?**

Theodore A. Litovitz, Professor of Physics, Catholic University of America

Annual NIST Sigma Xi Awards and Introduction of New Members

Social Hour (cash bar), 6:00 p.m.; Dinner Buffet, 7:00 p.m.: Tossed Salad, Pasta Salad, Fresh Fruit Platter, Seafood Creole, Chicken Marsala, Rice Pilaf, Fresh Vegetable Medley, Assorted Dessert Table, Rolls and Butter, Coffee, Tea, and Wine.

Reservations: RSVP to Heather Chen-Mayer, 301/ 975-3782,
h.chen-mayer@nist.gov, by Friday, May 24.

Payment: \$17 per person, make check payable to NIST Sigma, Xi Chapter, send to Heather Chen-Mayer, Reactor Building, Room B125, NIST, Gaithersburg, MD 20899. All Sigma Xi members, NIST staff, and guests are welcome to join us for an enjoyable spring evening of good food, friendly company, and exciting ideas.

Advance Notice

THE NORTH AMERICAN ISDN USERS' FORUM (NIUF)

June 3-6, 1996

Los Angeles Airport Hilton and Towers, CA

The NIUF will be held jointly with the California ISDN Users' Group (CIUG). The meetings conducted will include joint sessions of the ISDN Users' Workshop (IUW) and the ISDN Implementors' Workshop (IIW) which will allow users and suppliers of ISDN Technology to advance the development of interoperable ISDN broadband and narrowband products and services. A few of the meeting topics include: ISDN Wiring and Powering, ISDN Ordering Codes, SPIDs, BRI Trunking, Universal Ordering Form, Versions, and Mass Markets. Tutorials will be presented on topics such as, Basic and Primary Rate ISDN, PPP Multilink Protocols, Video/Data Collaboration with T.120, Latest PPP Developments. There will also be vendor exhibits Wednesday and Thursday. For further information, contact Sara Caswell, 301/975-2937 (niuf@nist.gov) or see the NIUF Home Page at URL <http://www.niuf.nist.gov/misc/niuf.html>.

Advance Notice
Ninth Annual Dama-NCR Data Management Symposium

**IT'S THE ELEVENTH HOUR, DO YOU KNOW WHAT YOUR DATA IS
DOING?**

June 13-14, 1996

Sheraton Crystal City Hotel, 1800 Jefferson Davis Highway, Arlington,
Virginia 22202

The goal of the NINTH ANNUAL DAMA-NCR DATA MANAGEMENT SYMPOSIUM is to increase awareness of the impact data has on organizations and their employees by sharing information on effective data management techniques.

Organizations' efforts to address Data Management problems, their experiences, successes, frustrations, and lessons learned will be shared. The Symposium features exciting presentations by internationally recognized experts and practitioners. Scheduled speakers include: John Zachman, President, Zachman Intl., Inc.; Barbara von Halle, Principal, Spectrum Technology Group; Peter Aiken, Asst. Prof. of Information Systems, Virginia Commonwealth University; Henry Stewart, Dir. of Planning and Data Administration, University of Rochester; Michael K. Miller, Sr. Data Architect, Data Planning and Architecture, NCR Corp.; Michael J. Belak, Director Data Administration, The NASDAQ Stock Market; Ronald Boeving, VP, Information Systems, HealthCARE Compare Corp.; John C. Carrow, Chief Information Officer, City of Philadelphia; MANY MORE!!!!

**Registration Information: Call DAMA-NCR Business Office at
703/442.8780.**

TALKS BY NIST PERSONNEL

BECKER, P.: "Specimen Banking of Marine Organisms in the United States: Update of Results and Long-Term Prospective" and "Chlorinated Hydrocarbons in Beluga Whales, Delphinapterus Leucas, Sampled by the Alaska Marine Mammal Tissue Archival Project," Poster Session, 2nd International Symposium and Workshop on Biological Environmental Specimen Banking, Stockholm, Sweden, 5/19 -5/23/96.

DIZDAROGLU, M.: "Repair of Purine Esions in DNA by Fpg Protein," Biotechnology Division Seminar, Institut Gustave-Roussy Villejuif Cedex, France, 5/28/96.

HUNSTON, D.L.: "Composites Research Program at NIST and the Potential for Application of Composite Materials in the Oil Industry," UNICAL Corp., Houston, TX, 5/22/96, and "NIST's Research Program on Composite Durability," Texas A&M Univ., Houston, TX, 5/24/96.

POWELL, C.J.: "Peak Location in X-Ray Photoelectron Spectroscopy," Surface Analysis Society of Japan, Tsukuba, Japan, 5/24/96.

RICHE, K.: "Long PCR: An Alternative Approach to RFLP Analysis," Sponsored by Promega Corp., First European symposium on Human Identification, Centre International de Conference, Meteopole, Toulouse Cedex, France, 5/30/96.

WISE, S.A.: "The National Biomonitoring Specimen Bank (NBSB) at the National Institute of Standards and Technology (NIST)," "Methylmercury in Beluga and Pilot Whales as Determined by Gas Chromatography With Atomic Emission Detection (GC-AED)," and "Interlaboratory Comparison Study for PCB Congeners and Chlorinated Pesticides in Beluga Whale Blubber," Poster Session, 2nd International Symposium and Workshop on Biological Environmental Specimen Banking, Stockholm, Sweden, 5/19 -5/23/96.

1996 WORLD STANDARDS DAY PAPER COMPETITION

This year, the U.S. standards community will celebrate World Standards Day on October 16. To highlight the importance of standards to industry and government, the sponsors of World Standards Day, including NIST, are again holding a paper competition. The theme for the 1996 World Standards Day paper contest will be "U.S. National vs International Standards."

PRIZE: The author(s) of the winning submission will receive \$2500 and a commemorative plaque. The winning paper will be published by ANSI, the Standards Engineering Society and others.

ELIGIBILITY: The competition is open to individuals in private sector or government facilities located in the United States. The paper may be co-authored.

RULES: The paper must be original and not previously published. NIST papers should be processed through WERB or BERB in the usual way. Papers must be between 2500 and 4500 words and should not exceed 20 pages. Entries must be received by September 1, 1996. Contest rules and application forms may be obtained from: Underwriters Laboratories, Inc., Attn.: Carolyn Anderson, WORLD STANDARDS DAY PAPER COMPETITION, 12 Laboratory Drive, Research Triangle Park, NC 27709; Phone: (919) 549-1877; Fax: (919) 547-6018.

NIST Administrative Calendar

Notices to be included should be transmitted in writing in time to be received by NOON on WEDNESDAY. Send to Management & Organization Division, Bldg. 415, Room 118, extension 4074, fax to 926-8091, or e-mail to gmr@micf.nist.gov.

May 28 - May 31, 1996

ADMINISTRATIVE ITEMS - New

Retirement Luncheon for Vickie S. Fox

After 29 years of service, Vickie S. Fox of the Office of Human Resources is retiring. A luncheon for Vickie will be held on WEDNESDAY, JUNE 12, 1996, beginning at 12:00 noon at Comus Inn. The cost of the luncheon is \$17.00 which includes tax and gratuity. The buffet menu consists of baked chicken with mushroom sauce, roast beef au jus, parsley buttered red potatoes, green bean almondine, carrots with dill, garden salad, bread, coffee, tea & cake. If you would like to attend or contribute towards a gift, please contact Roxie Mullinix on extension 3008 or Mary Chaney on extension 3027 by Tuesday, June 4, 1996.

Diabetic Screening

Do you have a family history of diabetes? The Health Unit will be conducting diabetic screening during the weeks of June 3 and June 10. The test is simple - a finger stick for a drop of blood after fasting for 12 hours is all it takes. Call the Health Unit on extension 5131 for an appointment. The Health Unit also has information on Living with Diabetes. Stop by for your free copy.

Knapp Shoemobile to Visit NIST

The Knapp Shoemobile will be at NIST on Tuesday, June 11, 1996, from 12:00 noon to 3:00 p.m. The staff may purchase shoes from the shoemobile or place an order for shoes which will be shipped to their home. The shoemobile will be located north of Building 231 (Industrial). For further information you can contact the Safety Office on extension 5818.

ADMINISTRATIVE ITEMS - Continuing

Revised Metrorail Shuttle Route

Effective June 3, 1996, the Metrorail Shuttle will deliver and pick up passengers at the EAST side Kiss and Ride area. The faster and more direct route to the East side will allow the shuttle, both going to and coming from the Metrorail station, to also stop at NIST North to pick up and discharge passengers. The route of travel will be from the Administration Building to NIST North and then to the Metrorail Station. On the return run the shuttle will stop at NIST North and then proceed to the Administration Building. We ask that all passengers boarding the shuttle at NIST North be at the front of the building ready to board the shuttle when it arrives.

This change in route will NOT change the schedule. The schedule will remain as is with departures from the front of the Administration Building on the hour and half hour and with departures from the Shady

Grove Metrorail Station EAST side at 15 and 45 minutes past the hour. The shuttle will arrive at NIST North approximately 3-4 minutes after leaving the Metrorail station.

On a space available basis, the Metrorail shuttle may be used for travel between the main campus and the North campus, however, priority seating will be made available to those traveling to and from the Metrorail station.

Cray Replace In Scientific Computing Facility

A Cray C96 has replaced the Cray Y-MP4 in the Scientific Computing Facility. The C96 has 6 CPU's, 256 Mwords of memory and uses the same name and IP address as the Y-MP used (granta nist.gov). The transition of the operational workload and all user files have moved to the C96.

NIST North Snack Bar Opens

The Snack Bar at NIST North located in Room 151 is now open serving sandwiches, soups, salads, ice creams, snacks, donuts, soft drinks, coffee, and other beverages. Stop in for a great lunch at reasonable prices.

Retirement Dinner for Donn Ebberts

Donn Ebberts of the Building Environment Division retired on May 3, 1996, after 34 years of government service. A buffet dinner will be held in his honor on Friday, May 31, 1996, at the Comus Inn. The buffet menu consists of roast beef, baked ham, fried chicken, vegetarian lasagna, scalloped potatoes, green beans, peas and mushrooms, garden salad, dinner rolls, coffee and tea. The cost of the buffet is \$23.00. If you would like to attend or contribute towards a gift, please contact Kim Ewing on extension 5648 by May 24, 1996.

Association of NIST Asian-Pacific Americans (ANAPA) Sponsors Movie Presentation

In observing the Asian-Pacific American Heritage Month, ANAPA is sponsoring a series of movie presentations once a week, that will enrich you with Asian culture. Please also bring your family and friends for the evening shows. For more information, contact Kang Lee on extension 6604.

Tuesday, May 28, 11:30 a.m. to 1:00 p.m. and 7:00 to 8:45 p.m.

SOPYONJE - A saga of a family of pansori performers (traditional story telling by song); A winner of six Grand Bell Awards and six Critic's Awards in Korea (1993)

PCX No. 267 _____ **May 28, 1996**

PC-EXCHANGE: Share your PC problems, questions, etc. so that other staff members can benefit from your experience or offer suggestions to address your PC needs. Mail/phone your contributions (anonymously or with credit) to Gaithersburg PC Assistance. Gaithersburg PC Assistance: Call the PC Assistance Hotline (voice or TDD), 301/975-3099; Admin/A738; e-mail PCASSIST@micf.nist.gov. Access the PC Assistance Web Page at: <http://larch.cam.nist.gov/~eater/pcassist.html>. Gaithersburg PC Maintenance and Hardware Upgrades: Call the PC Maintenance Hotline, 301/975-4090. Boulder PC Assistance or Maintenance: Call the Boulder PC Support Hotline, 303/497-3931; Room 1-4050; e-mail PCASK@bldrdoc.gov.

267.1 SCAM CONCERNING LAPTOPS STOLEN AT U.S. AIRPORTS - Thanks to Chris Kuyatt (100) for passing along the following information: The FAA recently learned of a hustle that's being employed at airports all across the country to steal laptop computers. It involves two persons who look for a victim carrying a laptop and approaching a metal detector.

They position themselves in front of the unsuspecting passenger. They stall until the passenger puts the laptop computer on the conveyor belt. Then the first subject moves through the metal detector easily. The second subject sets off the detector and begins a slow process of emptying pockets, removing jewelry, etc. While this is happening, the first subject takes the laptop as soon as it appears on the conveyor belt and moves away quickly. When the passenger finally gets through the metal detector, the laptop is gone. The subject that picks it up heads into the gate area and disappears among the crowd.

Sometimes a third subject will take a hand-off from the first subject and the computer is out of the restricted area before the passenger even knows that it is gone.

This is becoming a widely practiced problem and is happening at airports everywhere. When traveling with a laptop computer, try to avoid lines to enter a metal detector when possible. When you can't do that, delay putting your luggage and laptop on the conveyor belt until you are sure that you will be the next person through the metal detector. As you move through the metal detector, keep your eyes on the conveyor belt and watch for your luggage and laptop to come through as well as watching for what those in front of you are picking up.

267.2 POWERPOINT AND NON-MICROSOFT TCP/IP STACKS - Thanks to Tish Antonishek (888) for passing along the following information for Microsoft PowerPoint 7.0 users: If you're using PowerPoint 7.0 and a non-Microsoft TCP/IP stack (such as OnNet), PowerPoint may give the message "PowerPoint has found an error it cannot correct" when you select the Tools menu. This occurs because, when you click the Tools menu, PowerPoint checks your system to verify that you have a valid TCP/IP protocol installed. If PowerPoint finds a valid protocol, it includes Presentation Conference on the Tools menu. If PowerPoint encounters certain third-party TCP/IP protocol stacks, such as OnNet, it may hang or display the error message. The file WT1274.EXE, available from the MIFC WHLIST, the ENH, and from the PC Assistance web pages, is a Microsoft-provided update which corrects this problem. This is a self-extracting file which contains both a readme file in MS-Word format and an updated version of the PPTTOOLS.DLL file. To install the upgrade, run the WT1274.EXE file to extract the update. Then replace your current PPTTOOLS.DLL file in the PowerPoint folder with the updated file.

OFFICE OF INFORMATION SERVICES - News

Library Tours

A 30-minute tour of the NIST Library (Research Information Center) is given on the 2nd Wednesday of every month. A member of the Office of Information Services staff is on hand for as long as necessary afterwards to answer questions, or to arrange for more detailed explanations of specific areas.

No reservation is required. If you have any questions, or want to make suggestions about what should be covered, call Marietta Nelson on extension 3055. Next tour: Wednesday, **June 12, 1996**, at 10:30 a.m.

Library Audiovisual Materials Relocated

The audiovisual materials have been moved to Room E209. Videocassettes, films, audiocassettes, and slides are located in the room. A VCR is located in the room for on-site viewing of the videocassettes. Use of the VCR is available to NIST staff and the public. All audiovisual materials may be charged out to NIST staff

directly, and to the public through the Interlibrary Loan procedures. Problems, suggestions, comments should be addressed to Beth Bloomquist, x2809, e-mail address whiting@enh.nist.gov.

MathSciNet Now on NIST Virtual Library

The Office of Information Services (OIS) announces the availability of MathSciNet on the NIST Virtual Library (NVL): <http://ts.nist.gov/nvl>. MathSciNet is based on the data in Mathematical Reviews and Current Mathematical Publications, leading publications that catalog and review research literature in mathematics, all produced by the American Mathematical Society. From the NVL home page, click on "Databases" to access this useful online resource for NIST staff. No passwords or site IDs are required.

Institute of Physics Journals Now Online

The OIS announces the availability of 22 Institute of Physics Journals online for NIST users on the NIST Virtual Library (NVL) at <http://ts.nist.gov/nvl>. From the NVL home page, click on "Electronic Journals" for information on access to:

- * European journal of physics 1996- Full-text
- * High performance polymers 1996- Full-text
- * Inverse problems 1996- Full-text
- * Journal of micromechanics and microengineering 1996- Full-text
- * Journal of physics A: Mathematical and general 1996- Full-text
- * Journal of physics B: Atomic, molecular and optical physics 1996-Full-text
- * Journal of physics: Condensed matter 1996-Full-text
- * Journal of physics D: Applied physics 1996-Full-text
- * Journal of physics G: Nuclear and particle physics 1996- Full-text
- * Measurement science and technology 1996-Full-text
- * Modelling and simulation in materials science and engineering 1996-Full-text
- * Nanotechnology 1996- Full-text
- * Network 1996- Full-text
- * Nonlinearity 1996- Full-text
- * Physics express letters 1995- Full text in HTML and PDF formats
- * Physics in medicine and biology 1996- Full-text
- * Plasma physics and controlled fusion 1996-Full-text
- * Reports on progress in physics 1996- Full-text
- * Semiconductor science and technology 1996-Full-text
- * Smart materials and structures 1996- Full-text
- * Superconductor science and technology 1996-Full-text
- * Waves in random media 1996- Full-text

New Engineering Service on NIST Virtual Library

The OIS announces that the "Engineering Village" is now available on the NIST Virtual Library (NVL) at <http://ts.nist.gov/nvl> for NIST staff and researchers. The Ei Village is a service for the student, professional engineer, or technology manager. Ei Village collects, evaluates, describes, and organizes relevant sites and provides a forum for discussions of professional interest. To access and log on to the service, from the NVL home page click on "Databases" and follow the instructions for ID and password.

STAT-USA Now Available on NIST Virtual Library

The OIS announces the availability of STAT-USA on the NIST Virtual Library (NVL) at <http://ts.nist.gov/nvl>. STAT-USA is the Department of Commerce source for Daily Economic News, frequently requested statistical releases, information by subject, STAT-USA Databases and selected publications of interest. From the NVL home page, click on "Databases" to link to the instructions for accessing this resource for NIST users.

SEBA - STANDARD EMPLOYEES BENEFIT ASSOCIATION

SEBA Basketball

Open gym will begin on July 3, 1996, from 6:00 to 8:00 p.m. at Ridgeview Intermediate School and will end on August 7, 1996. All participants must have a current SEBA number. No one will be allowed to participate without the permission of James E. Rountree (ext. 4035) or Alan N. Heckent (ext. 2899).

Amusement Park Tickets

DISCOUNT TICKETS for Adventure World and Hershey Park are available in the SEBA Store for SEBA members.

SEBA Gift Store

For another two weeks only!! The SEBA Gift Shop, located in the basement of the Administration Building, will be having a *Spring Reduction Sale*. All NIST and NBS t-shirts are 50% off. All items will be 50% off with the exception of a few NIST Logo items. So come on down, before all is gone.

Jewelry Sale

Jack Vogt Jewelry will be in the Bldg. 101 Cafeteria on June 4 and 5.

Employee Printing Services

Employee Printing Services catalogs have arrived in the SEBA Store. Discount of 40% OFF list price. Catalogs have wedding invitations, party invitations, social and birth announcements, shower and party accessories, monogrammed informals and thank you cards. Catalog may be borrowed for one week.

CAFETERIA MENU (Subject to change without notice)

<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
Special	Special	Special	Special	Special
Breaded Pork Chop	Chicken Cacciatore	Stir Fried Beef & Vegetables	Meatloaf	Seafood Au Gratin
Spanish Rice	Rice	Rice	Mashed Potatoes	Italian Zucchini
Green Peas	Roman Vegetables	Seasoned Kale	Fiesta Corn	Mixed Vegetables
Cheesecake	Roll & Butter	Roll & Butter	Roll & Butter	Roll & Butter
Entrees/Vegetables	Entrees/Vegetables	Entrees/Vegetables	Entrees/Vegetables	Entrees/Vegetables
Burrito	Burrito	Burrito	Taco Salad	Burrito
Chicken A'la King w/Rice	Chicken Cacciatore	Chicken Kiev	Burrito	Chicken Fajita
Breaded Pork Chop	Country Fried Steak	Stir Fried Beef & Vegetables	Arroz Con Pollo	Seafood Au Gratin
French Green Beans	Lyonnais Squash	Seasoned Kale	Meatloaf	Macaroni & Cheese
Green Peas	Roman Vegetables	Whole Baby Carrots	Fiesta Corn	Italian Zucchini
Spanish Rice	Glazed Acorn Squash	Baked Potato	Mashed Potatoes	Corn, Carrots & Peas
Rice	Rice	Rice	Rice	Rice
Soup/International	Soup/International	Soup/International	Soup/International	Soup/International
Beef Barley	Vegetable	Old Fashioned Bean	Onion Soup	Coney Island Clam
Pasta	Pasta	Oriental	Pasta	Chowder
				Pasta

TRAINING AND EDUCATION OPPORTUNITIES

To reserve a space in any training course an approved NIST Request For Training Memo must be submitted unless otherwise noted. Receipt of the approved Memo serves as your space registration. All classes will be filled on a first-come-first-reserved basis. Without an approved Memo, we are unable to reserve a space in any class. Please forward the approved Memo as soon as possible when planning your training. If you have any questions, please call x3017. Thank you!

****MANAGEMENT UPDATE SERIES****

The Management Update Series is a series of monthly briefings for all supervisors and managers focusing on administrative subjects critical to the way we operate. The Request for Training Memo is not required for sessions in the Management Update Series, unless otherwise noted.

DIVERSITY IN THE WORKPLACE

Description: This two-day workshop will assist managers and supervisors to develop an understanding of how cross-cultural dynamics impact the workplace. Using a variety of participatory exercises, attendees will gain a broader understanding of the value of diversity and of each of our roles as individuals and as group members in a diverse workforce. Time will be spent on defining and practicing specific skills/competencies needed to build and peacefully co-exist in an inclusive work environment.

Instructor: Bonnie J. Berger & Associates
Cost: Approximately \$300 per participant
Dates: June 4-5, 1996
Location: Lecture Room E, Administration Building
Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by ASAP.

EMPLOYEE ASSISTANCE PROGRAM

Instructor: Jon Lobe, Occupational Health and Safety Division
Cost: NONE
Date: May 28, 1996
Location: Lecture Room D, Administration Building
Time: 1:30 p.m. - 3:00 p.m.

CLASSIFICATION TRAINING FOR SUPERVISORS

Description: The classification and position description system is a component of the NIST Personnel Management Demonstration Project. As a supervisor of employees covered by the demonstration Project, you are delegated authority to classify positions of employees covered under the Demonstration Project. In this session you classify and create a position description. This is a required course for every probationary supervisor. The course must be completed before a supervisor can access the Automated Classification System (ACS).

Instructor: Carol Hubshman, Office of Human Resources Management
Cost: NONE
Date: May 28, 1996
Location: A41, Administration Building
Time: 9:30 a.m. - 11:00 a.m.

Due to the limited number of p.c's every participant must reserve a space. Please call X3017 to register.

STAFFING POSITIONS AT NIST

Instructor: Debbie Martin, Office of
Human Resources Management
Cost: NONE
Date: June 19, 1996
Location: Lecture Room D, Administration Building
Time: 1:30 p.m. - 3:00 p.m.

RETIREMENT/BENEFITS

Instructor: Marcia Robertson, Office of
Human Resources Management
Cost: NONE
Date: June 24, 1996
Location: Lecture Room D, Administration Building
Time: 1:30 p.m. - 3:00 p.m.

CONFLICT RESOLUTION FOR MANAGERS AND SUPERVISORS

Description: This course is open to all supervisors and managers. Participants learn methods for diagnosing sources of conflict and strategies for successfully resolving many different types of conflict. In addition, participants identify their own conflict style and its strengths and weaknesses. Workshop methods include: tailored cases, structured exercises, Negotiation Style Inventory instrument and film.

Instructor: Liz Berney of Berney Associates
Cost: Approximately \$115 per participant
Date: July 9, 1996
Location: Lecture Room D, Administration Building
Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 18.

****GENERAL TRAINING****

TEAMBUILDING

Description: Participants will learn that a team is more than just a group of people working together, a team is a dimension in which there is a common purpose, mutual trust and respect, and support for the advancement of the individual and the team.

Instructor: R.C. Taylor and Associates, Inc.
Cost: Approximately \$150 per participant
Time: 9:00 a.m. - 4:00 p.m.
Date: August 6, 1996
Location: Lecture Room C, Administration Building

PLEASE NOTE: Request for Training Memo must be submitted by July 16.

CASE STUDIES IN UNCERTAINTY ANALYSIS (Note Dates Have Changed)

Description: Presents several examples of uncertainty analysis calculations. The material includes discussion of some very straightforward examples, a spreadsheet calculation method that avoids the need to deal with partial derivatives in simple cases, and some examples where the usual propagation of uncertainty formulas can not be used directly.

Instructor: Keith Eberhardt, Statistical Engineering Division

Cost: \$50 per participant
Times: 9:00 a.m. - 12 noon
Dates: June 10, 1996 and June 17, 1996 (Monday)
Location: Lecture Room A, Administration Building

PLEASE NOTE: Request for Training Memo must be submitted ASAP. Please no phone in registrations! For technical questions please call Keith on X2853.

Additional Workshops in this series are as follows:
September 13, 20 & 27, Regression Models
October 11, 18 & 25, Analysis of Variance
November 8, 15 & 22, Design of Experiments

PRE-RETIREMENT SEMINAR

Description: In this 1-day seminar you will learn the Civil Service/FERS Retirement Benefits and Social Security Benefits/Medicare. This seminar is for those employees who are thinking of retiring in the next 5 years. Joanne McGehrin is a great instructor!

Instructor: Joanne McGehrin
Cost: Approximately \$100 per participant
Date: June 20, 1996
Location: Lecture Room D, Administration Building
Time: 8:30 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 5.

NOTE: Spouses are welcome!

COTR LEVEL I

Description: This course is required for certification as a contracting officers technical representative. If you have any questions regarding your need for this certification, please contact your administrative officer within your Division.

Instructor: Management Concepts, Inc.
Cost: Approximately \$175 per participant
Dates: June 17 & 18, 1996
Location: **New Location: Shops Conference Room (Bldg. 304-126)**
Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo needs to be submitted by May 28. **For technical questions please call Barbara Camp x6338.**

CONFLICT RESOLUTION (SUPPORT STAFF) THIS IS A GREAT CLASS

Description: In this 1-day workshop you will learn how to keep your cool, stand your ground and reach a position solution. You will also learn techniques proven to work in a variety of conflict situations.

Instructor: CareerTrack
Cost: Approximately \$150 per participant
Date: July 10, 1996
Location: Lecture Room D, Administration Building
Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 14.

THE EXCEPTIONAL ASSISTANT

Description: In this 1-day powerful workshop you will learn

essential professional skills such as, prioritizing, problem solving, managing time, resources, and crisis, delegating, decision-making, political and people skills and much, much more. This is a great class for all support staff!

Instructor: Fred Pryor Seminars
Cost: Approximately \$125 per participant
Date: August 7, 1996
Location: Lecture Room C, Administration Building
Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by July 8.

EFFECTIVE WRITING FOR PROFESSIONALS

Persons to attend course: Professionals who are skilled writers but need to further refine their writing style.

Description: Writing effectively means more than just writing correctly. It means developing a sensitivity to the reader's needs, an awareness of the purpose of writing a specific communication, and the ability to order ideas and word them for maximum impact and clarity. By the conclusion of the course, participants will be more constructively critical of their own writing and will begin to apply the writing principles discussed in class.

Instructor: Carol Solomon of Carol Solomon and Associates
Cost: Approximately \$150 per participant
Dates: July 16, 18, 23 and 25, 1996
Location: B111, Administration Building
Time: 9:00 a.m. - 12:00 noon

PLEASE NOTE: Request for Training Memo must be submitted by June 24.

WRITING FOR RESULTS

Description: The objective of the course is to introduce participants to the fundamentals of direct, concise, reader-oriented letters and memorandums. This class is designed for staff members with limited writing experience who need to write basic memos and letters.

Instructor: Carol Solomon of Carol Solomon and Associates
Cost: Approximately \$125 per participant
Dates: July 16, 18, 23, 25, 1996
Location: B111, Administration Building
Time: 1:00 p.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 24.

****COMPUTER TRAINING****

All NIST Request for Training Memo's must be received by the Training Office at least two weeks prior to the start date of the course unless otherwise noted. At this time, the Training Office will either obligate to the instructor or cancel the class. Receipt of the approved Memo serves as your space registration. All classes will be filled on a first-come-first-reserved basis. Any questions please call Pat on x3017.

Introduction to Windows is a prerequisite for all Windows applications!

All classes will be held in A41, Basement 101.

All 1-Day Classes will be \$125

All 1/2 Day Classes will be \$60

All 2-Day Classes will be \$225, unless otherwise stated.

EUDORA TRAINING

Description: This short (2 1/2 hour) class will teach participants how to send and receive electronic mail using PC-Eudora for Windows, how to create and manage mailboxes, nicknames and distribution lists, how to write rules to automatically direct incoming and outgoing mail to specific mailboxes, and how to send and receive files as attachments.

Some prior experience using MS-Windows is required.

Instructor: Chuck Eater of the Information Systems Division

Date & Time: July 8, 1996, 1:00 p.m. - 3:30 p.m.

Cost: NONE

DN-11's are not required but send an E-Mail message to Patricia.oconnor@nist.gov to register for a space.

INTRODUCTION TO WINDOWS

Description: This one-day class will teach those new to the Windows environment the benefits of using Windows.

Instructor: Executrain

Date: June 10, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted ASAP.

INTRODUCTION TO WINDOWS

Description: This one-day class will teach those new to the Windows environment the benefits of using Windows.

Instructor: Lyndie Billey and Associates

Date: June 12, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted ASAP.

INTERMEDIATE WINDOWS

Description: This class is designed for students who want to start an application from Windows without using an icon, use shortcut keys, add programs to windows, use Character map, record and run macros, and use the Clipboard. In addition, students will learn to use File Manager to change file attributes, search for files, create Program Manager icons, and use Drag and Drop to open and print files.

Instructor: ExecuTrain

Date: June 20, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 5.

INTERMEDIATE WINDOWS

Description: This class is designed for students who want to start an application from Windows without using an icon, use shortcut keys, add programs to windows, use Character map, record and run macros, and use the Clipboard. In addition, students will learn to use File Manager to change file attributes, search for files, create Program Manager icons, and use Drag and Drop to open and print files.

Instructor: Business Support Training, Inc.

Date: June 6, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted ASAP.

INTRODUCTION TO LOTUS FOR WINDOWS

Description: This workshop is for participants that are upgrading to Lotus for Windows.

Instructor: Impact Services, Inc.

Date: May 30, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Requests for Training Memo must be submitted ASAP.

INTRODUCTION TO LOTUS FOR WINDOWS

Description: This workshop is for participants that are upgrading to Lotus for Windows.

Instructor: Lyndie Billey and Associates

Date: June 5, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Requests for Training Memo must be submitted ASAP.

UPGRADING FROM WP5.1 TO WP FOR WINDOWS 6.1

Description: Your productivity will increase significantly with 6.1 by taking advantage of the Powerbars, Toolbars, Templates, and Coaches. First you'll learn how to use all the icons that appear each time you load the program, then you'll learn about some of the most remarkable, easy-to use features available in any wordprocessor on the market. And of course we'll cover your basic features Bullets, tabs, alignment, formatting, and tables as they are easier than ever. You'll also learn some of WP 6.1's Quick features that will allow you to get your work done more quickly.

Instructor: Business Support Training, Inc.

Date: June 7, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted ASAP.

UPGRADING FROM WP5.1 TO WP FOR WINDOWS 6.1 (2-Day Class)

Description: Your productivity will increase significantly with 6.1 by taking advantage of the Powerbars, Toolbars, Templates, and Coaches. First you'll learn how to use all the icons that appear each time you load the program, then you'll learn about some of the most remarkable, easy-to use features available in any wordprocessor on the market. And of course we'll cover your basic features Bullets, tabs, alignment, formatting, and tables as they are easier than ever. You'll also learn some of WP 6.1's Quick features that will allow you to get your work done more quickly. Plus many more tips and tricks!

Instructor: Impact Services, Inc.

Dates: June 18 & 19, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 3.

UPGRADING FROM WP5.1 TO WP FOR WINDOWS 6.1

Description: Your productivity will increase significantly with 6.1 by taking advantage of the Powerbars, Toolbars, Templates, and Coaches. First you'll learn how to use all the icons that appear each time you load the program, then you'll learn about some of the most remarkable, easy-to use features available in any wordprocessor on the market. And of course we'll cover your basic features Bullets, tabs, alignment, formatting, and tables as they are easier than ever. You'll also learn some of WP 6.1's Quick features that will allow you to get your work done more quickly.

Instructor: Lyndie Billey and Associates

Date: June 4, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted ASAP.

UPGRADING FROM WP5.1 TO WP FOR WINDOWS 6.1

Description: Your productivity will increase significantly with 6.1 by taking advantage of the Powerbars, Toolbars, Templates, and Coaches. First you'll learn how to use all the icons that appear each time you load the program, then you'll learn about some of the most remarkable, easy-to use features available in any wordprocessor on the market. And of course we'll cover your basic features Bullets, tabs, alignment, formatting, and tables as they are easier than ever. You'll also learn some of WP 6.1's Quick features that will allow you to get your work done more quickly.

Instructor: Business Support Training, Inc.

Date: June 28, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 13.

DBASE 5.0 FOR WINDOWS (This Class Not Offered Often)

Description: In this workshop you will learn the fundamentals of relational database design and how to implement your design in the dBase for Windows environment. You will examine objects and their properties. Hands-on exercises include: creating and modifying tables, adding, deleting and displaying data; querying database; and generating simple reports, and much more.

Instructor:

Business Support Training,

Inc.

Dates: June 26 and 27, 1996

Time: 9:00 a.m. - 4:00 p.m.

PLEASE NOTE: Request for Training Memo must be submitted by June 11.

NIST VACANCIES FOR GAITHERSBURG, MD

MAY 24 ,1996

Vacancy Announcements will not be available until the above date.

Div	Title	Series	Salary Range & Payband or Grade	Promotion Potential	Vacancy Number	Closing Date
OPEN TO CURRENT FACILITIES SERVICES DIVISION STATUS EMPLOYEES AND CTAP						
353	Administrative Specialist	0301	\$25,061 - \$43,888 ZA-II	ZA-III	NIST-0944/BL	05/31/96
353	Computer Assistant (Upward Mobility Trainee)	0335	\$25,061 - \$37,524 ZS-IV	ZP-II	NIST-1010/BL	05/31/96
OPEN TO CURRENT NIST STATUS EMPLOYEES & CTAP APPLICANTS						
222	Administrative Support Assistant (OA) Upward Mobility Position	0303	\$20,233 - \$37,524 ZS-III/IV	ZA-III	NIST-0772/JC	05/31/96
OPEN TO CURRENT STATUS , CTAP & ICTAP APPLICANTS ONLY						
357	Contract Specialist	1102	\$37,094 - \$57,800 ZA-III	NONE	NIST-0228/AG	06/07/96

NTIS VACANCIES FOR SPRINGFIELD, VA						
OPEN TO ALL QUALIFIED APPLICANTS, CTAP & ICTAP						
NTIS	Program Analyst	0343	\$20,223 - \$26,061 GS-5/7	GS-12	NTIS-016/JS	05/31/96

APPLICANT SUPPLY FILE INFORMATION

NIST is collecting applications or resumes for future job openings in a range of occupational areas. Both government and non-government applicants (including NIST and DOC employees) may submit their applications or resumes to be retained in a file system for 90 days. A separate application or resume is required for each occupation and payband. Please indicate the occupation, payband or salary level you want to be considered for at the top of your application or resume. (See below) Applicants eligible for the DOC Career Transition Assistance Plan (CTAP) and the Interagency Career Transitions Assistance Plan (ICTAP) will receive priority consideration for any vacancy that may occur. If you wish to extend your period of consideration for Applicant Supply beyond 90 days, you must submit a new application or resume package.

Applicants who would like to place their application or resume in the NIST Applicant Supply System may mail or drop off their package at: NIST, Office of Human Resources Management, Bldg: 101, Room: A-123, Gaithersburg, MD 20899, Attn.: Applicant Supply.

We are accepting applications or resumes for Applicant Supply in the following fields: **Paybands I thru V:** Engineers, Computer Scientist, Metallurgist, Mathematical Statistician. **Paybands III thru V:** Physical Scientist, Computer Specialist, Biologist, Social Science, Research Psychology, Economist, Chemist, Mathematician, Physicist. **Paybands I & II:** Accounting. **Payband III:** Nuclear Engineering Technician. **Payband I thru IV:** Clerical Support (OA), Office Automation Clerk/Assistant, Secretary (OA). **Payband II:** Police Officers.

TELECOMMUNICATIONS DEVICE FOR THE DEAF: Contact Maryland Relay Service at 1-800-735-2258.

Vacancy Announcements can be picked up OUTSIDE the Personnel Office Bldg.: 101 from 6:30 a.m. - 6:30 p.m.

NIST PERSONNEL INFORMATION HOTLINE: DIAL **(301) 926-4851**. This is an outside call. Boulder vacancies are listed in the Boulder Lab Weekly Bulletin.